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Proposal for Forming an IAA Study Group

Title of Study:
Integrative Physiology in Long-duration Space Flight: Nutritional Aspects

Proposer(s):
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Primary IAA Commission Preference: Commission II: Life Sciences
(From Commission 1 to Commission 6)
Secondary IAA Commission Interests:
(From Commission 1 to Commission 6)

Members of Study Team

Chairs: Martina Heer, Ph.D.
Co-Chair: Scott Smith, Ph.D.
Secretary: , Ph.D. Natalie Baecker, Ph.D

Other Members:
Gianni Biolo, M.D.
Stephane Blanc, M.D.
Irina Larina, Ph.D.
Joanne Lupton, Ph.D.
Aikiko Matsumoto M.D.
Howard Parsons, M.D. (to be confirmed)
Peter Stein, M.D.

Short Description of Scope of Study

Overall Goal: To write a position paper addressing the key issues of malnutrition during long duration space missions and the potential of nutrient supplementation/nutraceuticals to prevent microgravity and radiation induced risks for long-duration space flight.

Intermediate Goals: Identify the potential effects; review the literature; propose presentations at scientific meetings (e.g. Fukuoka, Valencia,...); hold study group meetings at these conferences; draft the position paper.

Methodology: Presentations at IAA and other scientific meetings; study group meetings at these scientific conferences; e-mail communications.

Time Line: Three years.

Final Product (Report, Publication, etc.): A publishable quality position paper summarizing the area and making recommendations for future research and counter-measures.

Target Community: IAA, space agencies, space life sciences community, aerospace industry, scientific community in general.

Support Needed: Space on program at IAA-sponsored scientific conferences; meeting room at such IAA conferences; waiver of study group member registration fees at IAA conferences; travel expenses for 1-2 study group members to attend such IAA conferences; funds to support one face-to-face meeting per year of study group members; clerical support to write the position paper.

Potential Sponsors: IAA; space agencies (e.g., NASA, ESA, CSA, Russian Space Agency, Japanese Space Agency).

To be returned to IAA Secretariat Paris fax: 33 1 47 23 82 16 email: sgeneral@iaa.net.org

Date: 2/08/05

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